

AMT00-001C

In the claims:

Please amend the following claims:

3
✓ 1. (twice amended) A process for forming a hollow article, comprising:

providing a mixture of metal and ceramic powders, lubricants, and binders, that form a feedstock;

using a disposable material, forming a first molded part that has an outer surface;
through powder injection molding of the feedstock, forming a second molded part that is in contact with said outer surface;

disposing of the first molded part through ash-free combustion; and

heating the second molded part whereby sintering occurs and said hollow article is formed.

2
✓ 6. (twice amended) A process for forming a hollow article, comprising;

providing a mixture of metal and ceramic powders, lubricants, and binders, that form a feedstock;

providing tooling that is able to injection mold from a first barrel into a first mold and from a second barrel into a second mold;

using a disposable material, injected from the first barrel into the first mold, forming a first molded part that has an outer surface;

AMT00-001C

Σ₂ through powder injection molding of the feedstock from the second barrel into the second mold, forming a second molded part that is in contact with said outer surface; disposing of the first molded part through ash-free combustion; and heating the second molded part whereby sintering occurs and said hollow article is formed.

Σ₃ 11. (twice amended) A process for forming a hollow article, comprising;

providing a mixture of metal and ceramic powders, lubricants, and binders, that form a feedstock;

providing first and second tooling, one being able to injection mold from a first barrel into a first mold and one being able to injection mold from a second barrel into a second mold;

in the first tooling, using a material, injected from the first barrel into the first mold, forming a first molded part that has an outer surface;

transferring the first molded part to the second tooling;

in the second tooling, through powder injection molding of the feedstock from the second barrel into the second mold, forming a second molded part that is in contact with said outer surface;

disposing of the first molded part through ash-free combustion; and

heating the second molded part whereby sintering occurs and said hollow article is formed.